



#10 ENTERED OIPE

RAW SEQUENCE LISTING

DATE: 04/11/2002 P-8

PATENT APPLICATION: US/09/977,406A

TIME: 12:46:46

Input Set : A:\EP.txt

Output Set: N:\CRF3\04112002\I977406A.raw

3 <110> APPLICANT: PROCYON BIOPHARMA INC.
5 <120> TITLE OF INVENTION: PHARMACEUTICAL PREPARATIONS AND METHODS FOR INHIBITING
TUMORS
7 <130> FILE REFERENCE: 06508-030-US-03
9 <140> CURRENT APPLICATION NUMBER: US 09/977,406A
10 <141> CURRENT FILING DATE: 2001-10-15
12 <150> PRIOR APPLICATION NUMBER: CA 2,321,256
13 <151> PRIOR FILING DATE: 2000-10-16
15 <150> PRIOR APPLICATION NUMBER: CA 2,355,334
16 <151> PRIOR FILING DATE: 2001-08-20
18 <160> NUMBER OF SEQ ID NOS: 92
20 <170> SOFTWARE: PatentIn version 3.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 94
24 <212> TYPE: PRT
25 <213> ORGANISM: Homo sapiens
27 <300> PUBLICATION INFORMATION:
28 <301> AUTHORS: Ulvsback, M., Lindstrom, C., Weiber, H., Abrahamson, P.A., Lilja, H.,
and
29 Lundwall, A"
30 <302> TITLE: Molecular cloning of a small prostate protein, known as beta-
31 microsemenoprotein, PSP94 or beta-inhibin, and demonstration of transcripts in
32 non-genital tissues.
33 <303> JOURNAL: Biochem. Biophys. Res Commun.
34 <304> VOLUME: 164
35 <305> ISSUE: 3
36 <306> PAGES: 1310-1315
37 <307> DATE: 1989
38 <308> DATABASE ACCESSION NO: GI 131436
39 <309> DATABASE ENTRY DATE: 1988-08-01
41 <400> SEQUENCE: 1
43 Ser Cys Tyr Phe Ile Pro Asn Glu Gly Val Pro Gly Asp Ser Thr Arg
44 1 5 10 15
47 Lys Cys Met Asp Leu Lys Gly Asn Lys His Pro Ile Asn Ser Glu Trp
48 20 25 30
51 Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu Ile Ser
52 35 40 45
55 Cys Cys Thr Leu Val Ser Thr Pro Val Gly Tyr Asp Lys Asp Asn Cys
56 50 55 60
59 Gln Arg Ile Phe Lys Lys Glu Asp Cys Lys Tyr Ile Val Val Glu Lys
60 65 70 75 80
63 Lys Asp Pro Lys Lys Thr Cys Ser Val Ser Glu Trp Ile Ile
64 85 90
67 <210> SEQ ID NO: 2

68 <211> LENGTH: 102

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69 <212> TYPE: PRT
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: recombinant human PSP94 (rHuPSP94) produced from yeast
75 <400> SEQUENCE: 2
77 Glu Ala Glu Ala Tyr Val Glu Phe Ser Cys Tyr Phe Ile Pro Asn Glu
78 1          5          10          15
81 Gly Val Pro Gly Asp Ser Thr Arg Lys Cys Met Asp Leu Lys Gly Asn
82          20          25          30
85 Lys His Pro Ile Asn Ser Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys
86          35          40          45
89 Thr Cys Tyr Glu Thr Glu Ile Ser Cys Cys Thr Leu Val Ser Thr Pro
90          50          55          60
93 Val Gly Tyr Asp Lys Asp Asn Cys Gln Arg Ile Phe Lys Lys Glu Asp
94 65          70          75          80
97 Cys Lys Tyr Ile Val Val Glu Lys Lys Asp Pro Lys Lys Thr Cys Ser
98          85          90          95
101 Val Ser Glu Trp Ile Ile
102          100
105 <210> SEQ ID NO: 3
106 <211> LENGTH: 10
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: decapeptide
113 <400> SEQUENCE: 3
115 Tyr Thr Cys Ser Val Ser Glu Pro Gly Ile
116 1          5          10
119 <210> SEQ ID NO: 4
120 <211> LENGTH: 15
121 <212> TYPE: PRT
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Polypeptide 7-21
127 <400> SEQUENCE: 4
129 Asn Glu Gly Val Pro Gly Asp Ser Thr Arg Lys Cys Met Asp Leu
130 1          5          10          15
133 <210> SEQ ID NO: 5
134 <211> LENGTH: 15
135 <212> TYPE: PRT
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: PCK3145 (polypeptide 31-45)
141 <400> SEQUENCE: 5
143 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr
144 1          5          10          15
147 <210> SEQ ID NO: 6
148 <211> LENGTH: 19
149 <212> TYPE: PRT

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150 <213> ORGANISM: Artificial Sequence

152 <220> FEATURE:

153 <223> OTHER INFORMATION: Polypeptide 76-94

155 <400> SEQUENCE: 6

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161 Trp Ile Ile

165 <210> SEQ ID NO: 7

166 <211> LENGTH: 26

167 <212> TYPE: DNA

168 <213> ORGANISM: Artificial Sequence

170 <220> FEATURE:

171 <223> OTHER INFORMATION: Oligonucleotide used in the amplification and cloning of
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173 <400> SEQUENCE: 7

174 gggaagaatt ctcattgctat ttcata 26

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178 <211> LENGTH: 21

179 <212> TYPE: DNA

180 <213> ORGANISM: Artificial Sequence

182 <220> FEATURE:

183 <223> OTHER INFORMATION: Oligonucleotide used in the amplification and cloning of
rHPSP94

185 <400> SEQUENCE: 8

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189 <210> SEQ ID NO: 9

190 <211> LENGTH: 285

191 <212> TYPE: DNA

192 <213> ORGANISM: Homo sapiens

194 <300> PUBLICATION INFORMATION:

195 <301> AUTHORS: Green, C.B., Liu, W.Y. and Kwok, S.C.

196 <302> TITLE: Cloning and nucleotide sequence analysis of the human beta-
197 microseminoprotein gene.

198 <303> JOURNAL: Biochem. Biophys. Res. Commun.

199 <304> VOLUME: 167

200 <305> ISSUE: 3

201 <306> PAGES: 1184-1190

202 <307> DATE: 1990

203 <308> DATABASE ACCESSION NO: GI 514370

204 <309> DATABASE ENTRY DATE: 1995-01-07

206 <400> SEQUENCE: 9

207 tcatgtctatt tcatacctaa tgaggagatt ccaggagatt caaccaggaa atgcatggat 60

209 ctcaaaggaa acaaacaccc aataaactcg gaggggcaga ctgacaactg tgagacatgc 120

211 acttgctacg aaacagaaat ttcattgttc acccttgttt ctacacctgt gggttatgac 180

213 aaagacaact gccaaagaat cttcaagaag gaggactgca agtatatcgt ggtggagaag 240

215 aaggacccaa aaaagacctg ttctgtcagt gaatggataa tctaa 285

218 <210> SEQ ID NO: 10

219 <211> LENGTH: 16

220 <212> TYPE: PRT

221 <213> ORGANISM: Artificial Sequence

223 <220> FEATURE:

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Input Set : A:\EP.txt

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224 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)

226 <400> SEQUENCE: 10

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229 1 5 10 15

232 <210> SEQ ID NO: 11

233 <211> LENGTH: 17

234 <212> TYPE: PRT

235 <213> ORGANISM: Artificial Sequence

237 <220> FEATURE:

238 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)

240 <400> SEQUENCE: 11

242 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu

243 1 5 10 15

246 Ile

250 <210> SEQ ID NO: 12

251 <211> LENGTH: 18

252 <212> TYPE: PRT

253 <213> ORGANISM: Artificial Sequence

255 <220> FEATURE:

256 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)

258 <400> SEQUENCE: 12

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261 1 5 10 15

264 Ile Ser

268 <210> SEQ ID NO: 13

269 <211> LENGTH: 19

270 <212> TYPE: PRT

271 <213> ORGANISM: Artificial Sequence

273 <220> FEATURE:

274 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)

276 <400> SEQUENCE: 13

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279 1 5 10 15

282 Ile Ser Cys

286 <210> SEQ ID NO: 14

287 <211> LENGTH: 20

288 <212> TYPE: PRT

289 <213> ORGANISM: Artificial Sequence

291 <220> FEATURE:

292 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide analog)

294 <400> SEQUENCE: 14

296 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu

297 1 5 10 15

300 Ile Ser Cys Cys

301 20

304 <210> SEQ ID NO: 15

305 <211> LENGTH: 21

306 <212> TYPE: PRT

307 <213> ORGANISM: Artificial Sequence

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309 <220> FEATURE:
310 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
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312 <400> SEQUENCE: 15
314 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
315 1 5 10 15
318 Ile Ser Cys Cys Thr
319 20
322 <210> SEQ ID NO: 16
323 <211> LENGTH: 22
324 <212> TYPE: PRT
325 <213> ORGANISM: Artificial Sequence
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
330 <400> SEQUENCE: 16
332 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
333 1 5 10 15
336 Ile Ser Cys Cys Thr Leu
337 20
340 <210> SEQ ID NO: 17
341 <211> LENGTH: 23
342 <212> TYPE: PRT
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
348 <400> SEQUENCE: 17
350 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
351 1 5 10 15
354 Ile Ser Cys Cys Thr Leu Val
355 20
358 <210> SEQ ID NO: 18
359 <211> LENGTH: 24
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial Sequence
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
366 <400> SEQUENCE: 18
368 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu
369 1 5 10 15
372 Ile Ser Cys Cys Thr Leu Val Ser
373 20
376 <210> SEQ ID NO: 19
377 <211> LENGTH: 25
378 <212> TYPE: PRT
379 <213> ORGANISM: Artificial Sequence
381 <220> FEATURE:
382 <223> OTHER INFORMATION: Polypeptide derived from rHuPSP94 sequence (polypeptide
analog)
384 <400> SEQUENCE: 19
386 Glu Trp Gln Thr Asp Asn Cys Glu Thr Cys Thr Cys Tyr Glu Thr Glu

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387 1

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10

15



Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

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DATE: 04/11/2002

TIME: 12:46:47

Input Set : A:\EP.txt

Output Set: N:\CRF3\04112002\I977406A.raw

L:1940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89